



>>Entry Name: 5,6-Dihydroxy-1-indanone, 8Cl

Synonym(s): 2,3-Dihydro-5,6-dihydroxy-1*H*-inden-1-one, 9Cl

CAS Registry Number: 124702-80-3

Structure by analogy with 4,7-Dihydroxy-1-indanone, [FNF99-W](#)

Molecular Formula: C₉H₈O₃

Molecular Weight: 164.16

Accurate Mass: 164.047345

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Physical Description: Yellow cryst.

Melting Point: Mp 245°

>>Derivative: Di-Me ether

Synonym(s): 2,3-Dihydro-5,6-dimethoxy-1*H*-inden-1-one, 9Cl. 5,6-Dimethoxy-1-indanone

CAS Registry Number: 2107-69-9

Molecular Formula: C₁₁H₁₂O₃

Molecular Weight: 192.214

Accurate Mass: 192.078645

Percentage Composition: C 68.74%; H 6.29%; O 24.97%

Physical Description: Needles (petrol)

Melting Point: Mp 120°

Boiling Point: Bp₂ 138-139°

Aldrich: 14782-6

Fluka: 38765

>>Derivative: Di-Me ether, oxime

CAS Registry Number: 15547-61-2

Molecular Formula: C₁₁H₁₃NO₃

Molecular Weight: 207.229

Accurate Mass: 207.089544

Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%

Physical Description: Cryst.

Melting Point: Mp 196-197°

>>Derivative: Di-Me ether, semicarbazone

CAS Registry Number: 18028-28-9

Physical Description: Pale yellow cryst.

Melting Point: Mp 234-235° (dec.)

>>Derivative: Methylene ether

Synonym(s): 5,6-Methylenedioxy-1-indanone

CAS Registry Number: 6412-87-9

Molecular Formula: C₁₀H₈O₃

Molecular Weight: 176.171

Accurate Mass: 176.047345

Percentage Composition: C 68.18%; H 4.58%; O 27.25%

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 164-165°

References:

Brown, J.J. *et al.*, *J.C.S.*, 1952, 4397, (*synth*, *uv*)

Hutchison, G.I. *et al.*, *Aust. J. Chem.*, 1980, **33**, 2699, (*synth*)

Shoja, M., *Acta Cryst. C*, 1988, **44**, 1496, (*cryst struct*)

Gazit, A. *et al.*, *J. Med. Chem.*, 1991, **34**, 1896, (*synth*, *pmr*)

Oho, H. *et al.*, *Heterocycles*, 1996, **43**, 127-131, (*deriv*)